Introduction

Thank you for choosing Rosewill's 802.11n Wireless Dual Band USB adapter – RNX-N600UBE. This chapter is to introduce you more about this Wireless Adapter.

1.1 Package Content

Before getting started, please verify that your package includes the following items:

1. Rosewill RNX-N600UBE 802.11n Wireless Dual Band USB Adapter x 1
2. External 4dBi Dual Band Antenna x 2
3. Quick Installation Guide x 1
4. USB Cable x1
5. Resource CD x 1, including:
   - Wireless Utility and Driver
   - User Manual

Note:

Make sure that the package contains the above items. If any of the listed items are damaged or missing, please contact with your distributor.

1.2 Overview of the Product

With the 802.11n 2T2R MIMO technology, the RNX-N600UBE allows high packet throughput rate up to 300Mbps maximum download and upload. It can also interoperate with other wireless (802.11b, 802.11g, 802.11a) standard and support dual frequency at 2.4GHz and 5GHZ. The adapter supports 64/128/152 bit WEP, WPA and WPA2 encryptions to prevent outside intrusion and protect your personal information from being exposed.

The adapter is easy to install and manage. The Quick Setup guides you step-by-step through the installation process; With unmatched wireless performance, reception, and security protection, the RNX-N600UBE is the best choice for easily adding or upgrading wireless connectivity to your notebook and computer.

1.3 Features

- Complies with IEEE 802.11n and 802.11a/b/g standard for 2.4GHz/5GHz Wireless LAN
- 2T2R up to 300 Mbps upload and download Transfer Rate in 802.11n mode of operation
- High level of security with Wireless encryption of 64/128-bit WEP, WPA, WPA2, and Cisco CCX V5 Compliance.

- Runs under most operating systems: Windows 2K/XP/Vista/7 (32/64 bits), Mac OSX 10.4~10.6 and Linux 2.6.x.
- Supports One-Click WPS (WiFi Protected Setup) connection.
- Supports MIMO Power Saving which reduce power under idle time

1.4 Product Specification

Chipset	Ralink RT3572
Standard	IEEE 802.11a/b/g/n
Modulation Type	OFDM/CCK/16-QAM/64-QAM
Bus Type	USB Interface (Mini 5pin)
Frequency Band	2.4GHz / 5GHz DUAL
Data Rate	11n: 300/150/108/81/54/27 Mbps 11b: 1,2,5.5,11 Mbps 11g: 6,9,12,24,36,48,54 Mbps, 135/121.5/108/81/54/40.5/27/13.5Mbps, 130/117/104/78/52/39/26/13 Mbps, 65/58.5/52/39/26/19.5/13/6.5 Mbps 11a: 6,9,12,24,36,48,54 Mbps, 135/121.5/108/81/54/40.5/27/13.5Mbps, 130/117/104/78/52/39/26/13 Mbps, 65/58.5/52/39/26/19.5/13/6.5 Mbps
Output Power	2.4GHz band: 20dBm Max 5GHz band: 16 dBm Max
Receive Sensitivity	300M: -68 dBm@10% PER 150M: -68 dBm@10% PER 130M: -68 dBm@10% PER 108M: -68 dBm@10% PER 54M: -68 dBm@10% PER 11M: -85 dBm@ 8% PER 6M: -88 dBm@10% PER 1M: -90 dBm@8% PER
Security	64/128/152 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES); WPS button; Cisco CCX5.0
Antenna	2x External 4dBi Dual Band Antenna (SMA Connector)
OS support	Windows 200; Windows XP/Vista/7 32 and 64 bit; Linux Kernel 2.6.x; Mac OS X 10.4, 10.5, and 10.6
Dimension	3.54” x 2.16” x 0.47” (90 x 55 x 12 mm)
Temperature	Operating: 32~104°F (0~40°C); Storage: -40~158°F (-40~70°C)

Humidity	Operating: 10~90% (Non-Condensing); Storage: Max. 95% (Non-Condensing)

1.5 System Requirement

You must have at least the following

- A laptop computer/desktop PC with an available USB port
- At least a 300MHz processor and 32MB of memory
- Windows OS for Win98SE, ME, 2000, XP, Vista, 7 or Mac OS X 10.4~10.6
- A CD-ROM Drive
- USB controller properly installed and working in the computer
- A 802.11n、802.11g or 802.11a/b Wireless (and Dual Band) Access Point/Router (for infrastructure Mode) or another 802.11n、802.11g or 802.11b wireless (and Dual Band) adapter (for Ad-Hoc; Peer-to-Peer networking mode).

1.6 LED Status

This USB Adapter contains one LED. Please refer to the following description for LED definition.

LED Indications	Status	Working Status
Radio/ACT LED	Blink blue	The Adapter is Radio on
	Blink blue and flashing intermittently	The Adapter is already connected but is not transmitting or receiving data
	Blink blue and fast flashing	The Adapter is activity and transmitting of receiving data.
	Off	The Adapter is Radio off

Installation Guide

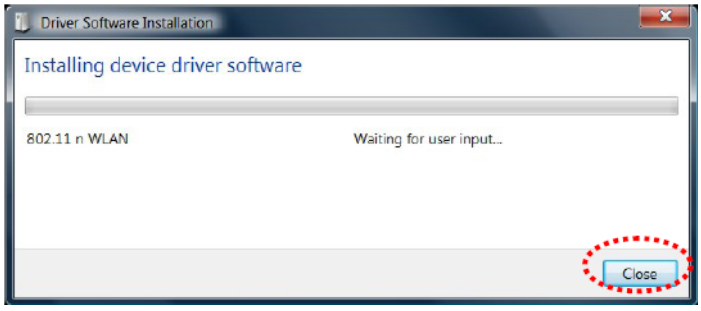
2.1 Hardware Installation

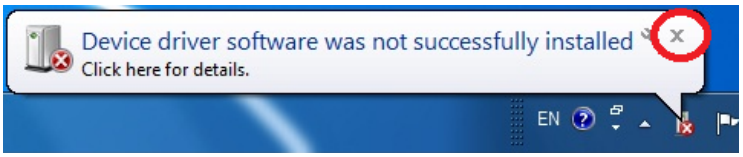
- Please first connect the RNX-N600UBE with the USB cable, then insert into your PC or NB USB slot.

- If the following window popup, please click Cancel or Close:
  - Under Win XP

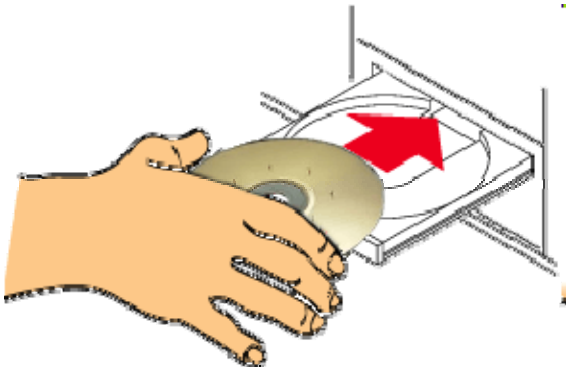
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

  - Under Windows Vista/Win7



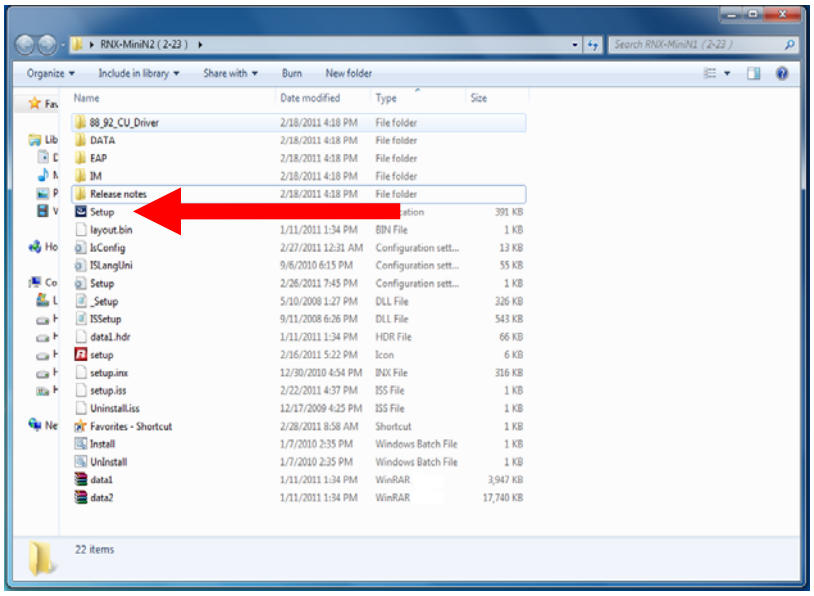


2.2 Installing Drivers and/or Utility :

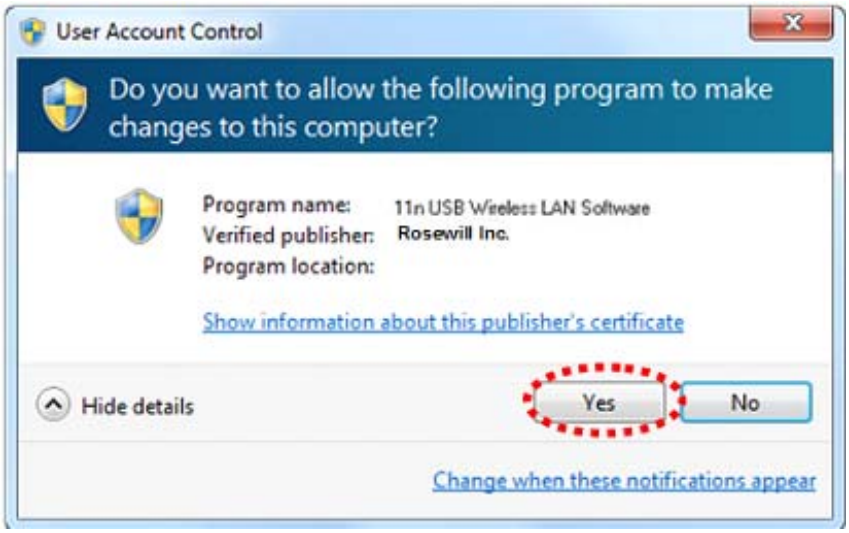


Please insert the CD into your CD-rom drive

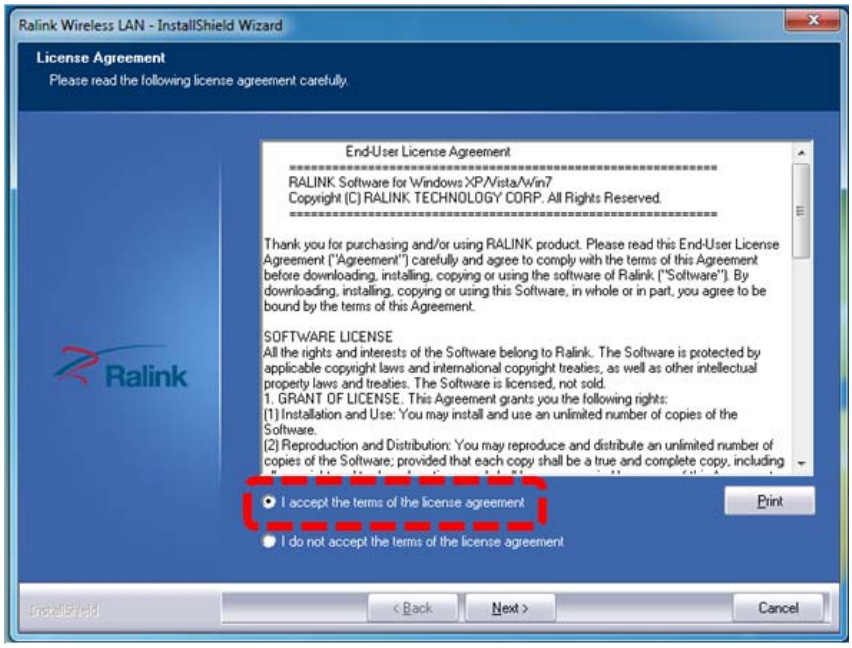
Click on the "**Driver Installation**" option when the Smart Wizard page popup.



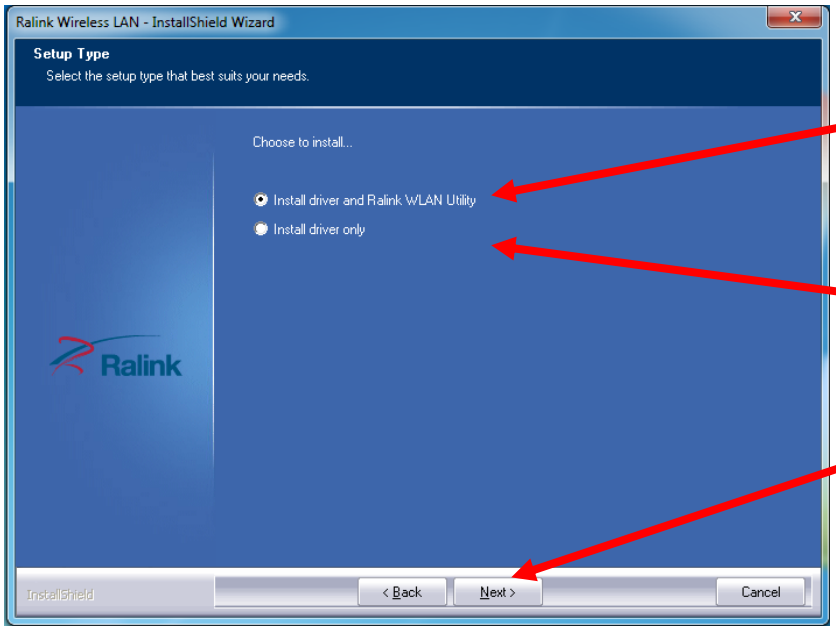
If the program didn't run automatically, please select **Browse CD**, and then double click on the **Setup.exe** in the CD to start the process.


User Account Control
Do you want to allow the following program to make changes to this computer?
Program name: 11n USB Wireless LAN Software
Verified publisher: Rosewill Inc.
Program location:
Show information about this publisher's certificate
Hide details
Yes
No
Change when these notifications appear

Click **Yes** if the following window popup


Ralink Wireless LAN - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
End-User License Agreement
RALINK Software for Windows XP/Vista/Win7
Copyright (C) RALINK TECHNOLOGY CORP. All Rights Reserved.
Thank you for purchasing and/or using RALINK product. Please read this End-User License Agreement ("Agreement") carefully and agree to comply with the terms of this Agreement before downloading, installing, copying or using the software of Ralink ("Software"). By downloading, installing, copying or using this Software, in whole or in part, you agree to be bound by the terms of this Agreement.
SOFTWARE LICENSE
All the rights and interests of the Software belong to Ralink. The Software is protected by applicable copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Software is licensed, not sold.
1. GRANT OF LICENSE. This Agreement grants you the following rights:
(1) Installation and Use: You may install and use an unlimited number of copies of the Software.
(2) Reproduction and Distribution: You may reproduce and distribute an unlimited number of copies of the Software; provided that each copy shall be a true and complete copy, including
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
Ralink
InstallShield
< Back
Next >
Cancel

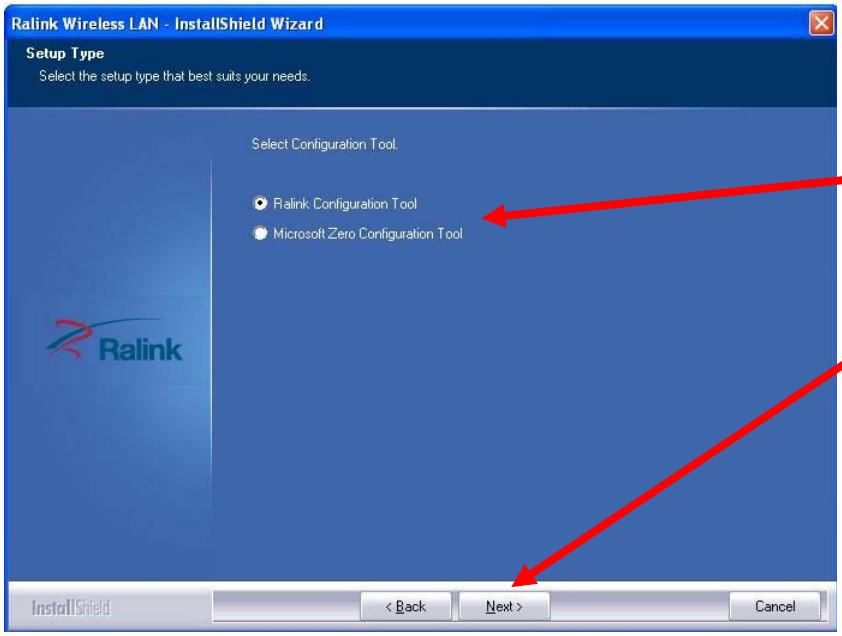
Upon Clicking **Yes**, you should see a "**License Agreement**" window popup. Please select "**I accept the terms of the license agreement**" then click "**Next>**"



On the next window, you will have the option of "**Install driver and Ralink WLAN Utility**" or "**Install Driver only**"

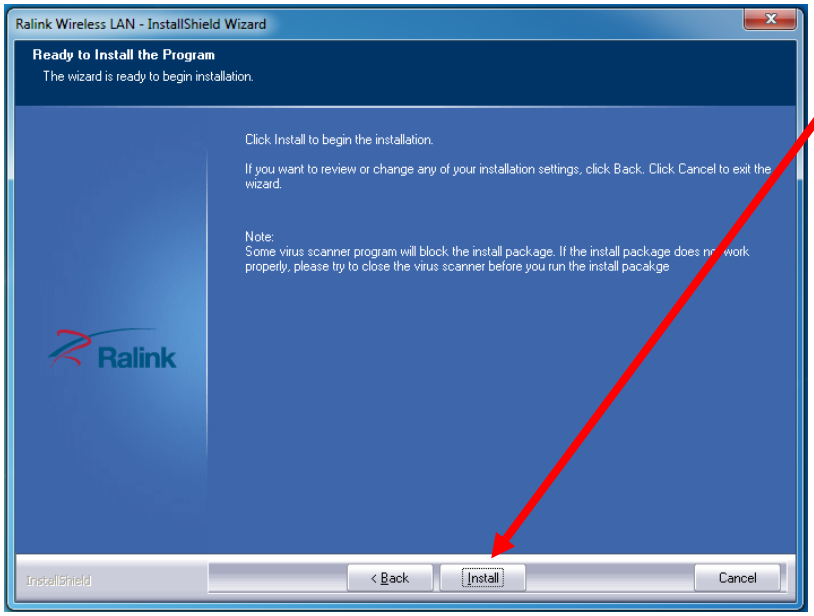
Win7 users are recommended to select "**Install Driver only**"

Please select "**Next >**" after your selection to continue the installation process.

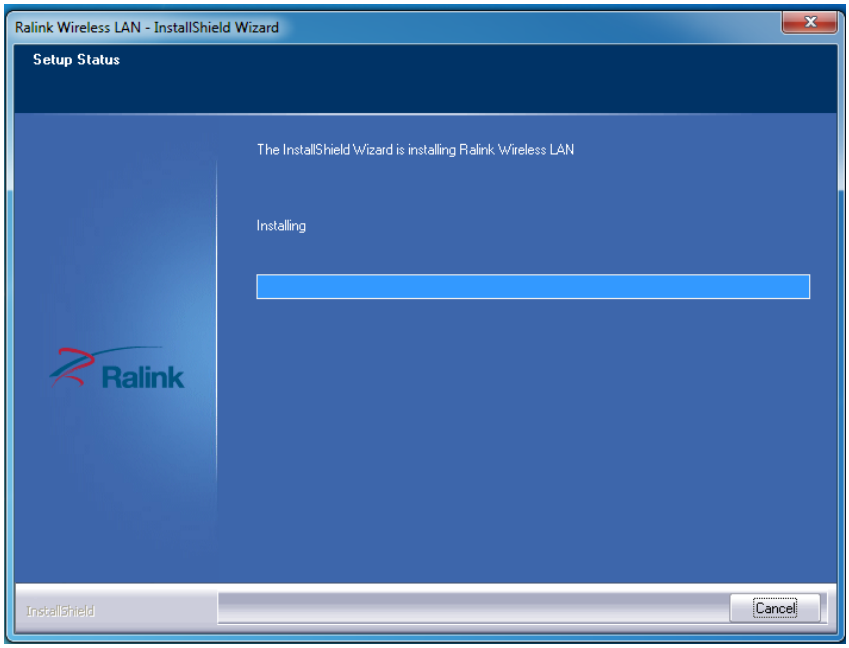


When Install under Window XP, you may see this selection window, you can select among "**Ralink Configuration Tool**" or "**Microsoft Zero Configuration Tool**"

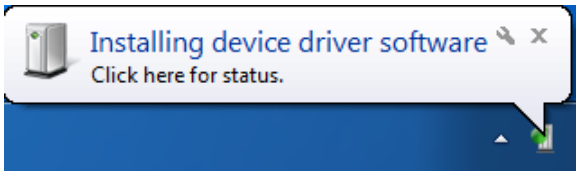
Once select, please click "**Next >**" to continue.


Ralink Wireless LAN - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Note:
Some virus scanner program will block the install package. If the install package does not work properly, please try to close the virus scanner before you run the install pacakge
Ralink
InstallShield
< Back
Install
Cancel

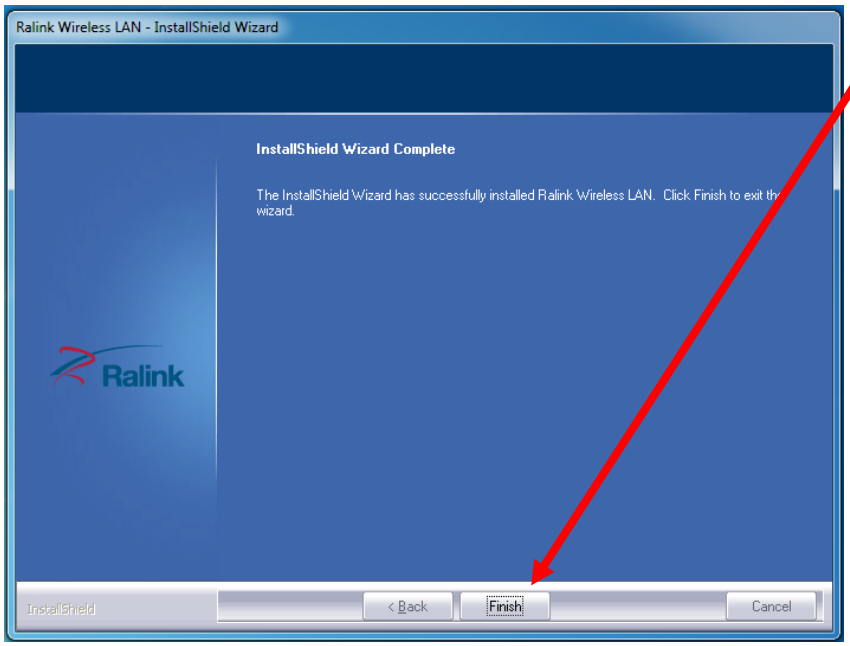
Please select "**Install**" to continue.



Setup wizard will process.



During the Installation process, you may see this popup on your lower right hand corner showing you the installation status.



Click "**Finish**" to complete the installation process

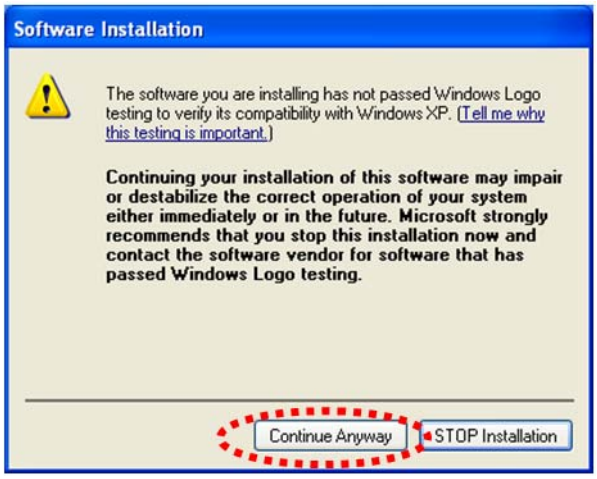
When complete, this window at the lower right hand corner will pop up, thus complete the driver installation.

if you see below window popup, please select **install this driver software anyway**.

Win7

Windows Security
Windows can't verify the publisher of this driver software
Don't install this driver software
You should check your manufacturer's website for updated driver software for your device.
Install this driver software anyway
Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.
Hide details
The driver software you're attempting to install does not have a valid digital signature that verifies who published it, and could potentially be malicious software. You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

Win XP


Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

Wireless Connection Guide

This chapter describes how to configure your Adapter for wireless connectivity on your Wireless Local Area Network (WLAN) and use the data security encryption features.

After Installing the Adapter, the Adapter's tray icon will appear in your system tray. It appears at the bottom of the screen, and shows the signal strength using color and the received signal strength indication (RSSI).

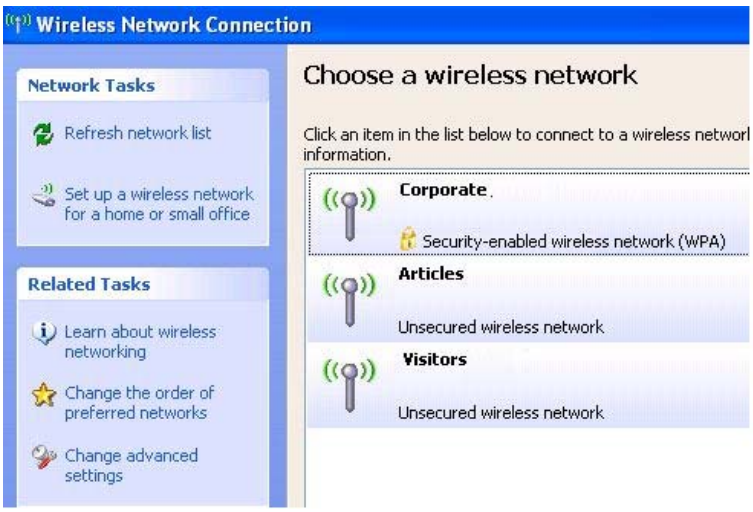
In the following instruction for making a network connection, we use the provided Utility to configure your wireless network settings.

Note: You could use either the software we provide or Microsoft Zero Configuration tool to configure this adapter.

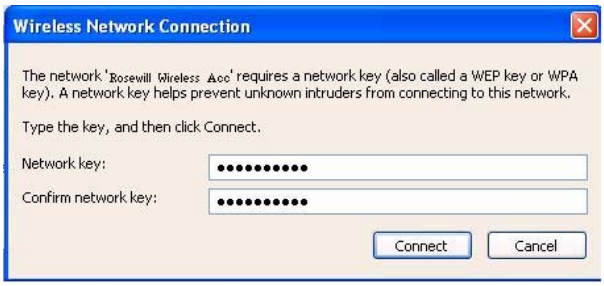
3.1 Connecting with Microsoft Zero Configuration tool (Win XP)

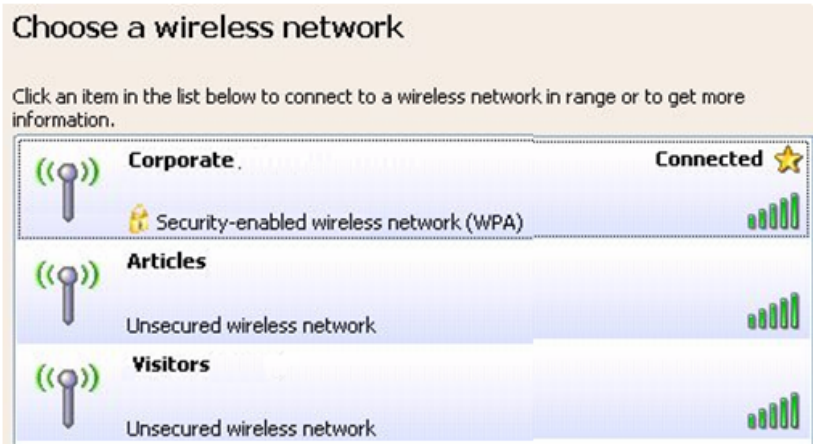
- After specifying the Microsoft Zero Configuration tool to configure your wireless network, right click on the icon on system tray. Select "**View Available Wireless Networks**" to specify your wireless network.

- The tool shows the available wireless networks. Select your demanding network to connect with.


Wireless Network Connection
Network Tasks
Refresh network list
Set up a wireless network for a home or small office
Related Tasks
Learn about wireless networking
Change the order of preferred networks
Change advanced settings
Choose a wireless network
Click an item in the list below to connect to a wireless networl information.
Corporate
Security-enabled wireless network (WPA)
Articles
Unsecured wireless network
Visitors
Unsecured wireless network

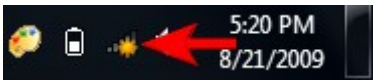
- If prompted, enter the password/network key for your wireless network and click the Connect button.


Wireless Network Connection
The network 'Rosewill Wireless Aoc' requires a network key (also called a WEP key or WPA key). A network key helps prevent unknown intruders from connecting to this network.
Type the key, and then click Connect.
Network key:
Confirm network key:
Connect
Cancel


Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
Corporate
Connected
Security-enabled wireless network (WPA)
Articles
Unsecured wireless network
Visitors
Unsecured wireless network

3.2 Connecting with Window 7

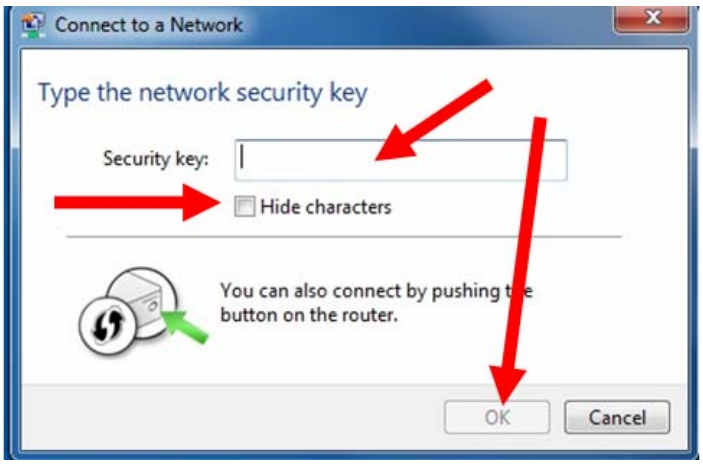
You can easily access to wireless with Win7. First, move your mouse to lower right hand corner as below and click on the icon where arrow pointing to.



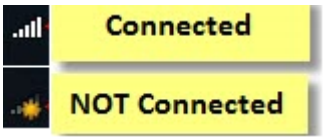
Click **Refresh** to get an update of your Wireless Network Connection. This should help you search the SSID of the network you want to connect to.

Select your desired SSID, then Click “Connect”.

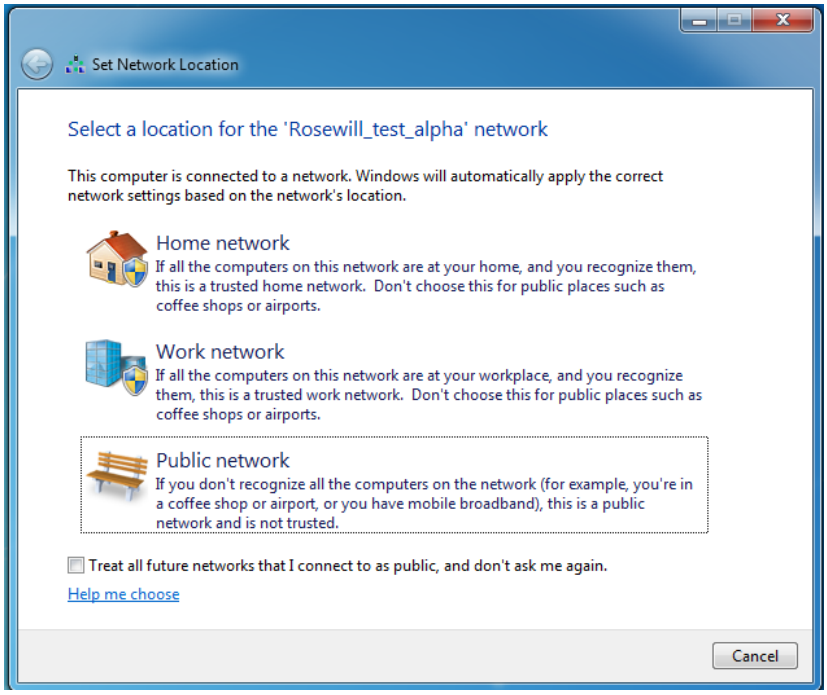
You will be prompt to ask you entering the network security key. Once entered, please click OK to complete.



You should see below in a very short period and find out whether you are connected or now.

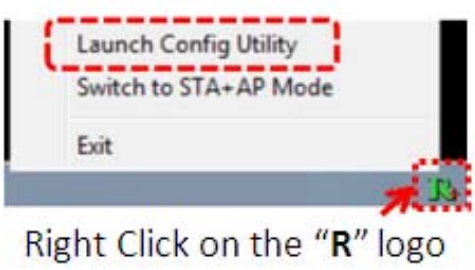


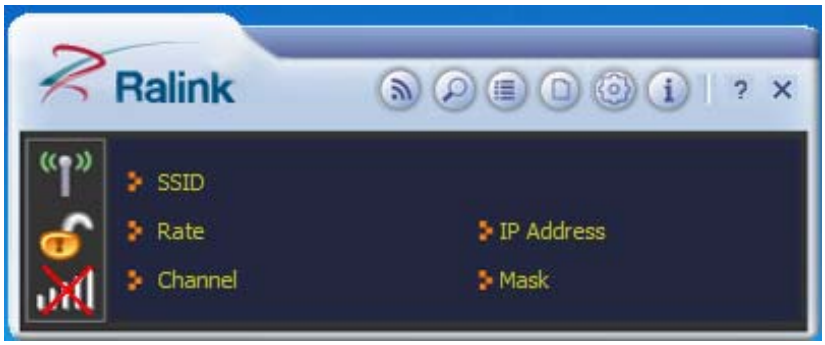
If this is your first time connect, you will see a window show up and ask you for setting up Network Location. Please select the location based on your internet useage.


Set Network Location
Select a location for the 'Rosewill_test_alpha' network
This computer is connected to a network. Windows will automatically apply the correct network settings based on the network's location.
Home network
If all the computers on this network are at your home, and you recognize them, this is a trusted home network. Don't choose this for public places such as coffee shops or airports.
Work network
If all the computers on this network are at your workplace, and you recognize them, this is a trusted work network. Don't choose this for public places such as coffee shops or airports.
Public network
If you don't recognize all the computers on the network (for example, you're in a coffee shop or airport, or you have mobile broadband), this is a public network and is not trusted.
Treat all future networks that I connect to as public, and don't ask me again.
Help me choose
Cancel

3.3 Connecting with Ralink Wireless Utility

We also provide a Ralink Wireless Utility for users to connect to a wireless network easily. It provides more information and configuration for this adapter. As default, the Utility will start automatically if you select "**Install driver and Ralink WLAN Utility**" when installing drivers. You can find this icon and double click to start it on the lower right hand corner of your computer desktop. Or you can **right click** the tray icon and select **Launch Config Utility**.

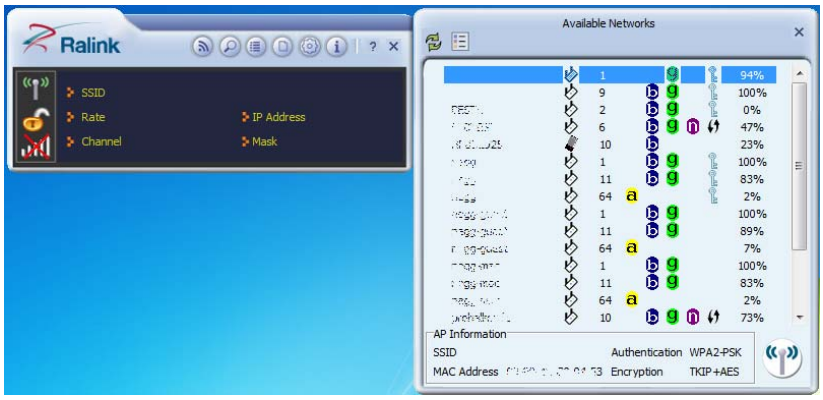




This is the startup window of the Ralink Wireless Utility
Here is each button's function:

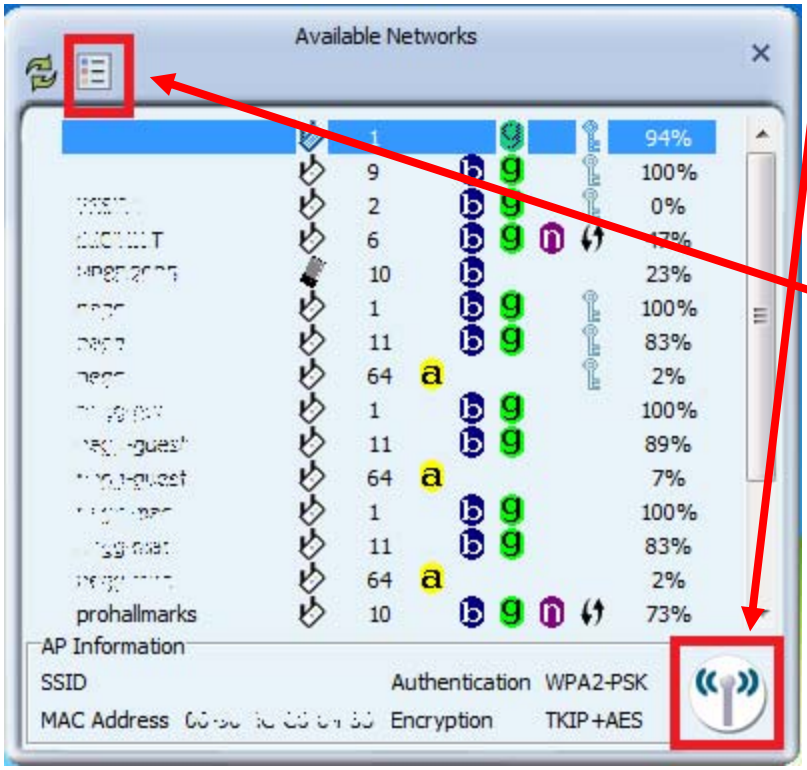
	Wi-Fi Direct (will appear only if your computer can support this function)
	Site Survey
	Link Information
	Profile
	Advanced
	About

For Detail, please see manual.



Please first start by selecting to search nearby wireless signal for connection.

When first click on , a window will popup and presents to you the nearby Wi-Fi Signals.



One time connect:

Please first highlight your desired SSID, then click . Then follow the popup window's direction to connect. (**Please see manual for detail**)

Setup the Profile for all future connect:

Please click

to add the SSID to profile for all future use. For detail, please follow Manual's **Add/Edit Profile** section.

Now you have completed the setup of your wireless network. You should be ready to surf!

Thank you for purchasing a quality Rosewill Product.

Please register your product at: www.rosewill.com for complete warranty information and future support for your product.